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### PART III—SECTION 2

Notifications and Notices Issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

##### Patents and Designs

Calcutta, the 1st June 1963

##### Special Notice

Patent Office Handbook, 11th Edition, has been published and is available on sale with the Manager of Publications, Civil Lines, Delhi, at a cost of Rs. 6/- per copy.

##### CORRIGENDA

(1)

In the Gazette of India, Part III, Section 2, dated 2nd February 1963—

- (i) In page 39, Column 1 under the heading "corrigendum" delete "Calcutta, the 2nd February 1963."
- (ii) In page 39, Column 2 under the heading "Application for Patents" against number 86046—  
For "Westinghouse Branke and Signal Company Limited."  
Read "Westinghouse Brake and Signal Company Limited."
- (iii) In page 43, Column 1 under the heading "Renewal Fees Paid".  
for No. 60329.  
read No. 60320.

(2)

In the Gazette of India, Part III, Section 2, dated 9th February 1963—

- (i) In page 49, Column 2 under the heading "Applications Accepted".  
for "77951 Y. Ishiguro. Time limit switches for electric circuits. Accepted on 22nd January 1963."  
Comprises an enclosed having therein two compartments provided with small cavities at the bottom thereof and communicated through a passage, mercury and inert gas sealed in said compartment, electrodes and an electric heating element."  
read "77951 Y. Ishiguro. Time limit switches for electric circuits. Accepted on 22nd January 1963."  
Comprises an enclosed casing having therein two compartments provided with small cavities at the bottom thereof and communicated through a passage, mercury and inert gas sealed in said compartment, electrodes and an electric heating element.

- (ii) In page 50, Column 1 under the heading "Applications Accepted".  
for No. "78269".  
read No. "77269".

- (iii) In page 52, Column 2 under the heading "Patents Scaled".  
for No. 75238.  
read No. 75328.

(3)

(1) In the Gazette of India, Part III, Section 2, dated 16th February 1963, under the heading "Applications Accepted"—

In page 59, Column 1 against No. 78849—

- (a) for "B. N. V. Pergling."  
read "B. N. V. Bergling."
- (b) In page 60, Column 1—  
for No. "79919."  
read No. "77919."
- (c) In page 60, Column 2—  
for No. "61932."  
read No. "81932."

(2) In the Gazette of India, Part III, Section 2, dated 16th February 1963, under the heading "Registration of Designs"—

- (a) In page 62, Column 1—  
Against class 10 No. "115628"—  
for "Dr. Sultanali Noor Mohmed Chitoor,"  
read "Dr. Sultanali Noor Mohmed Chatoor,"
- (b) In page 62, Column 1—  
for "Class 13 Nos. 115677 and 115679".  
read "Class 13 Nos. 115677 to 115679"
- (c) In page 62, Column 2—  
Against class 14 No. 115249—  
for "Crown Spg. & Mfrg. Co. Ltd.,"  
read "Crown Spg. & Mfg. Co. Ltd.,"

(4)

In the Gazette of India, Part III, Section 2, dated 23rd February 1963—

- (1) In page 64, Column 1 under the heading "Applications for Patents".  
Against No. 86360—  
for "Farlwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning."  
read "Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning."

(2) In page 65, Column 1 under the heading "Application for Patents"—

for "86409 Farbwerke Hoechst Aktiengesellschaft vormals Lucius & Bruning."

read "86409 Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning."

(3) In page 74, Column 2 under the heading "Amendment Proceedings" under paragraph (3) in line 4 after the word "Paris 7e"—

for "French"

read "France"

(4) In page 76, Column 2 under the heading "Name Index of Applicants for Patents for the month of January 1963".

(a) Under Group A—

for "Atomic Energy Establishment, Trombay—86038".

read "Atomic Energy Establishment, Trombay—86033".

for "Automatic Telephone & Electric Company Ltd.—86033".

read "Automatic Telephone & Electric Company Ltd.—86038".

(b) Under Group F—

for "Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning—86227, 85263."

read "Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning—86227, 85263."

(c) Under Group G—

for "Gandhi, K. S.—75895."

read "Gandhi, K. S.—85895."

(5)

In the Gazette of India, Part III, Section 2, dated the 2nd March 1963.

In page 87, Column 2 under the heading "cessation of patents"—

Delete entry No. "57749".

#### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

13th May 1963

87900. Chatons Private Limited. An improved process of manufacturing imitation stones and the like.
87901. Chatons Private Limited. An improved process for silvering the imitation stones and the like gemstones.
87902. Yawata Iron & Steel Company Limited. Method of controlling the height of a charged raw material layer in dwtight-lloyd sintering machine.
87903. May & Baker Limited. Isothiazole derivatives and compositions containing them. (16th May 1962).
87904. H. Morren New derivatives of 5H-dibenzo-[a, d]-cycle-heptene. (15th May 1962).
87905. G. W. Patchett. Improvements in or relating to silencers and/or flash eliminators for firearms. (12th June 1962).
87906. Shell Internationale Research Maatschappij N.V. Process for the preparation of catalysts suitable for the dehydrogenation of hydro-carbons and catalysts so produced. [Divisional date 12th October 1961].
87907. Luwa AG. A method and apparatus for collecting waste fibres accumulated in the form of relatively compact masses.
87908. International Business Machines Corporation. Improved sensing device for punched record media.
87909. AMP Incorporated. Improvements in electrical connectors and connector assemblies.
87910. Rhone-Poulenc S.A. Improvements in or relating to antibiotics and their preparation.
87911. Temescal Metallurgical Corporation. Improvements in or relating to apparatus for vapor deposition.
87912. N. V. Maatschappij Tot Exploiteren Van Octrooien En Licenties "Matepa". Improvements in or relating to stacking containers.

87913. Dempster Brothers, Inc. Apparatus for handling containers.
87914. Dempster Brothers, Inc. Vehicle body loading and unloading mechanism.
87915. Worthington Corporation. Induction unit for air-conditioning systems.
87916. Sandoz Ltd. Process for the production of quina-cridine diones.
87917. E.Q. Sylvester. Apparatus for pressure pouring articles.
87918. E.Q. Sylvester. Method and apparatus for casting metal articles.
87919. Grunzweig & Hartmann AG. Improvements in or relating to patterns for feeder heads.
87920. Craven Textile Patents Limited. Improvements in or relating to brakes for warp let-off motions. (14th May 1962).
87921. Standard Telephones and Cables Limited. Method and arrangement for baring electric ribbon cables and electric ribbon cable obtained with said method.
87922. Standard Telephones and Cables Limited. Line concentrator and its associated circuits in a time multiplex transmission system.
87923. Western Electric Company, Incorporated. Methods of producing silicon films on semiconductor substrates. (14th January 1963).
87924. Merck & Co. Inc. Fermentation processes.
87925. Dipl. Ing. K. Stoll. Material feeding device. (18th September 1962).
87926. The British Aluminium Company Limited. Improvements in or relating to hollow metal tubes or pipes. (17th May 1962).
87927. Societe Alsacienne De Constructions Mecaniques. Spinning process and device.
87928. K. A. J. Sundarraj. Exhaust booster.

14th May 1963

87929. Farbenfabriken Bayer Aktiengesellschaft. Age resistor and preparation thereof. (28th March 1963).
87930. Escherwyss Aktiengesellschaft. Push-type centrifuge.
87931. Mrs. Seraswatiben Shivprasad Thaker. A super-sonic bicycle.
87932. Mrs. Seraswatiben Shivprasad Thaker. Reclaimmo miracle oil cleaner.
87933. Mrs. Seraswatiben Shivprasad Thaker. Shoulder phoneclip.
87934. K. S. Khairnar. Automatic sowing machine.
87935. P. J. Reddy. Universal lamp stand.
87936. The Thermolux Glass Company Limited. Improvements in or relating to glass fabric strip material. (21st May 1962).
87937. American Home Products Corporation. Process for preparing 1,3-dihydro-5-aryl-3-carboxyacyloxy-2H-1, 4-benzodiazopin-2-one compounds and therapeutic composition.
87938. Gevaert Photo-Production N.V. Improvements in or relating to new processes of recording patterns of light and other radiation. [Addition to No. 79382].
87939. Imperial Chemical Industries Limited. Shaped articles of poly- $\alpha$ -olefines. (24th May 1962; [Addition to No. 80889].
87940. Her Majesty the Queen in right of Canada as represented by the Minister of Mines and Technical Surveys. Process and apparatus for specific gravity separation of mixtures of solid particles.
87941. O. B. Rasmussen. Artificial textile fibres and their production.
87942. Mayor & Soudson Ltd. Improvements in coal mining machines. (18th May 1962).
87943. Halcon International, Inc. Chemical apparatus.
87944. Halcon International, Inc. Chemical apparatus.
87945. AMP Incorporated. Multiaperture magnetic core data transfer system.

87946. G. Ruud. Apparatus for the removal of material in a bottom die plate for use in the preparation of box blanks of paper board or similar material.
87947. Vsesojuzny Nauchno-Issledovatel'skiy Institut Mjasnoy Pronishlennosti. Method of manufacturing preparation for increasing the reproductive function of animals.
87948. N. V. Maatschappij Tot Exploiteren Van Octrooien En Licenties "Matepa". Improvements in or relating to stacking containers.
87949. Ciba Limited. Manufacture of dihydro compounds.
87950. Ciba Limited. Manufacture of aryl thioethers.
87951. Merck & Co., Inc. Dibenzocycloheptenes.
87952. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to herbicides.
87953. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to the manufacture of impregnating liquids suitable for impregnating fibrous materials.
87954. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to devices comprising a cylinder and a piston which is adapted to reciprocate within the cylinder and is coupled to a driving gear, in which the seal between the piston and the cylinder is in the form of a rolling diaphragm.
87955. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to new secondary 2-aminomethylbenzodioxane derivatives.
87956. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to cathode ray tubes, in particular television picture tubes, having glass bulbs.
- 15th May 1963
87957. Council of Scientific and Industrial Research. Production of levan and related polymers by fermentation using a locally isolated micro-organism.
87958. Council of Scientific and Industrial Research. Expansion joint fillers from coconut pith, a waste product of the coir industry.
87959. H. Singh. Improved method of preparing stereoscopic pictures and the pictures so made.
87960. Westinghouse Electric Corporation. Improvements in or relating to holding device.
87961. Westinghouse Electric Corporation. Improvements in or relating to grid winding.
87962. Trench Electric Limited. Current limiting reactor.
87963. Trench Electric Limited. Shunt reactor. (31st January 1963).
87964. British Cellophane Limited. Improvements in or relating to the manufacture of tubular films (24th May 1962).
87965. Shell Internationale Research Maatschappij N. V. Process for the catalytic conversion of hydrocarbons.
87966. Shell Internationale Research Maatschappij N. V. Process for the catalytic conversion of hydrocarbons.
87967. Von Kohora Universal Corporation. Improvements in or relating to apparatus for the production of artificial fibers.
87968. Rohm & Haas Company. Molding compositions and use thereof.
87969. Hewitt-Robins International S.A. Cantilever rotary reclamer.
87970. Siderfront S.p.A. Improvements in the oxygen converters used in metallurgy, for obtaining the external jacket, by means of continuous water jet.
87971. Montecatini Società Generale Per L'Industria Mineraria E Chimica. Fungicides.
87972. Standard Telephones and Cables Limited. Improvements in or relating to coil winding machines. (16th May 1962).
87973. Ciba Limited. Manufacture of new compound.
87974. Ciba Limited. Aromatization.
87975. B. Romanin. Apparatus and method for making non-woven twill web.
87976. Real Patentauswertungs Anstalt. Retractable point for ball point pens.
87977. Ciba Limited. Manufacture of basic ethers.
- 16th May 1963
87978. Ruti Machinery Works Ltd. Warp stop motion for a selvedge forming mechanism for a loom and the like.
87979. J. Maher. Improvements relating to the cutting of jacquard cards.
87980. Denco AG. Loom anti-vibration mounting means.
87981. Sperry Rand Corporation. Disposition of nickel-cobalt alloy on aluminium substrated.
87982. Universal Oil Products Company. Sweetening of sour hydrocarbon distillates.
87983. Allied Chemical Corporation. Process for dyeing polyolefins.
87984. Allied Chemical Corporation. Process for dyeing polyolefins.
87985. Power Jets (Research & Development) Limited. Improvements in or relating to pressure exchangers. (17th May 1962).
87986. Power Jets (Research & Development) Limited. Improvements in or relating to pressure exchangers. [Addition to No. 87127].
87987. Power Jets (Research & Development) Limited. Improvements in or relating to pressure exchangers. [Addition to No. 87127].
87988. Behringwerke Aktiengesellschaft. Process for preparing a vaccine against foot-and-mouth disease containing a live aphthous virus. [Addition to No. 76995].
87989. Behringwerke Aktiengesellschaft. Process for preparing a vaccine against foot-and-mouth disease containing a live aphthous virus. [Addition to No. 76995].
87990. Minerals & Chemicals Philipp Corporation. Improved froth flotation method.
87991. Council of Scientific and Industrial Research. Preparation of saturated, unsaturated and hydroxy fatty alcohols by hydrogenolysis.
87992. Council of Scientific and Industrial Research. Direct preparation of wax esters by fatty acids hydrogenolysis.
87993. Council of Scientific and Industrial Research. Improvements in or relating to soft ferrites.
87994. Council of Scientific and Industrial Research. Development of a solid rust-remover.
87995. Mrs. Raj Rani Kumar. Wonder slate.
87996. B. V. Patankar. Precast reinforced or prestressed cement concrete flat roof slab.
- 17th May 1963
87997. P. Ramanujan. Wick stove.
87998. Universal Oil Products Company. Catalytic composite and process for the manufacture and use thereof.
87999. R. A. Stephen & Company Limited. Improvements in and relating to devices for the detection of radio activity. (21st May 1962).
88000. Imperial Chemical Industries Limited. Filaments. (24th May 1962).
88001. Courtaulds Limited. Improvements in fibre spinning. (22nd May 1962).
88002. General Motors Corporation. Power steering system for articulated vehicles.
88003. Voltron Products Inc. Improvements in and relating to frequency responsive devices. (26th May 1962).
88004. Rubber and Plastics Research Association of Great Britain. Improvements in or relating to the heat treatment of rubber. (21st May 1962). [Addition to No. 73952].
88005. J. M. D. Aron-Samuel. Process of preparing new oxadiazolic derivatives and therapeutic compositions containing said derivatives.
88006. The Power-Gas Corporation Limited. Improvements in the production of crystals from solutions. (29th May 1962).
88007. Pfizer Corporation. Heterocyclic compounds.

88008. Ciba Limited. Manufacture of amino compounds.
88009. Compagnie De Saint-Gobain. Process for the preparation of granulated phosphate fertilizers.
88010. Sandoz Ltd. Improvements in or relating to organic compounds. (18th May 1962).
88011. C. F. Boehringer & Soehne GmbH. Benzene-sulphonyl semicarbazides. (5th April 1963).
88012. Ciba Limited. Anthraquinone vat dyestuffs of the phthaloyl-acridone series and processes for their manufacture.
88013. Cromelite (India) Private Ltd. A reclining chair.
88014. Monsanto Chemical Company. Process for manufacturing a detergent composition.
78157. Union Carbide Corporation. Polycarbonate resins. Accepted on 17th May 1963.
- Reacting a 1-hydroxyaryl-1-hydroxyaryl-cyclohexyl ethane with a carbonic acid diester or with phosgene.*
78320. Mahendra Shankar. Electrically operated massaging apparatuses. Accepted on 16th May 1963.
- Wherein the vibrating movement of the metal is being caused by the attractions of an electro magnet situated above the metal.*
78368. Ciba Limited. Manufacture of 3-epi-allo-yohimban-16- $\beta$ -carboxylic acid esters and pharmaceutical preparations containing them. Accepted on 17th May 1963.

#### Alteration of Date

78055. The claim to priority date 16th August 1956 has been abandoned and the application dated as of 14th August 1961, the date of filing in India.
78708. The claim to priority date 12th October 1960 has been abandoned and the application dated as of 3rd October 1961, the date of filing in India.
79386. The claim to priority date 21st November 1960 has been abandoned and the application dated as of 18th November 1961, the date of filing in India.
80415. The claim to priority date 10th February 1961 has been disallowed and the application dated as of 25th January 1962, the date of filing in India.
83641. Ante-dated to 13th November 1961 under Section 5 of the Act.
86884. Ante-dated to 13th November 1961 under Section 5 of the Act.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patents Office in the prescribed form No. 6 of the Indian Patents and Designs Rules 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8, Hastings Street, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specification together with copies of drawing, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

77849. P. G. Bhide. Improvements relating to a coin box. Accepted on 29th April 1963.

*Comprising a lever arm, an armature carried by the lever arm, an electromagnet influencing the armature, a lever strip actuated by lever arm, lever arm being spring loaded.*

78050. Hoesch A. G. Improvements in or relating to structural elements such as strip angular or channel sections with slots in them. Accepted on 14th May 1963.

*Elongated slots arranged in alternate transverse and longitudinal positions, the major axes of one passes the centre of adjacent slot*

78055. Stewarts and Lloyds Limited. Improvements relating to a method of and apparatus for granulating iron. Accepted on 14th May 1963.

*In which molten iron stream is subjected to action of hot water jets to create a shower of iron particles which are collected in hot water.*

78077. Lal Behari Chatterjee. Improvements in or relating to compasses dividers and like instruments. Accepted on 16th May 1963.

*Compass or like being provided with a spring loaded fine adjustment plate between its arms and being supported from the hinged top,*

78488. Goodrich-Gulf Chemicals Inc. A rubber composition having predominantly cis-1, 4 polybutadiene, method of processing same and vulcanized products obtained therefrom. Accepted on 16th May 1963.

*Contains predominantly a rubbery homopolymer of butadiene 1, 3 and a hydrocarbon oil.*

78531. N. V. Organon. Vitamin B-12 preparations with prolonged action. Accepted on 16th May 1963.

*Comprising reacting a solution of a vitamin of the B<sub>12</sub> group with a condensation product of a carbonyl compound with 1-3 C atoms and a polyvalent phenol.*

78563. The English Electric Company Limited. Improvements in and relating to electrical protective relays. Accepted on 16th May 1963.

*Wherein the input signal is applied to a series time constant network and relay tripping occurs when the voltage across one component of the network, rises to a pre-determined value.*

78582. Westinghouse Electric Corporation. Semiconductor devices. Accepted on 13th May 1963.

*Having a negative resistance range in its current voltage characteristic.*

78618. G. Barazzetti. Improvements in or relating to radiological generator for generating current for radiographic apparatus. Accepted on 17th May 1963.

*Comprising one or more batteries, a polyphase transformer whose primary windings are connected to the segments of a fixed collector whereon there rotates at least one brush connected to the battery, whilst the secondary windings are connected to rectifying circuit.*

78644. Hercules Powder Company. Improvements in or relating to herbicidal compositions. (18th January 1961). Accepted on 17th May 1963.

*Comprising a polyhydro-indenyl-urea or-thio-urea carrier and/or a surface active agent.*

78708. North Western Gas Board, and The Clayton Aniline Company Limited. Improvements relating to the removal of hydrogen sulphide. Accepted on 16th May 1963.

*The material containing hydrogen sulphide is washed with an aqueous alkaline solution containing one or more anthraquinone disulphonic acids, a compound of a metal having at least two valency states and if necessary a chelating or sequestering agent for retaining such metal compounds in solution.*

78908. Continental Oil Company. Improvements in power amplifying systems and signal converters. Accepted on 17th May 1963.

*Converting a sinusoidal function to a high level rectangular function.*

79088. The Ahmedabad Electricity Company Limited. Apparatus for testing electrical meters. Accepted on 30th April 1963.

*Comprises a bench having rows of strips provided with sets of metallic studs on them to adopt meters and spring loaded metallic finger with pin in juxtaposition of each set of studs to contact the pressure screw in the terminal block of the meter.*

79089. The Ahmedabad Electricity Company Limited. Improvement and modification in the manufacture of screw-driver. Accepted on 30th April 1963.

*The screw driver which has a gap at its tapered end and a tongue secured to the said end.*

79283. Cooper, McDougall & Robertson Limited. Preparation of organo-phosphorus compound and formulations containing them. (9th December 1960). Accepted on 13th May 1963.

*Reacting a phosphorus compound with a coumarin compound.*

79287. Ciba Limited. New polyaddition resins and process for their manufacture. Accepted on 13th May 1963.

*Wherein a poly-(2:3-dihydro-1:4-pyranyl) compound and a compound containing at least two hydroxyl, mercapto, carboxyl, amide, acetal or ortho-ester groups are reacted together.*

79313. Scottish Agricultural Industries Limited. Manufacture of granular fertilisers. (14th November 1960). Accepted on 14th May 1963.

*Adding an acid and then ammonia to a localised region of stream of granules having substantially the composition of final product at such a rate that heat of reaction permits the temperature and moisture content through the stream recirculating through said localized region to be such that most of the granules do not lose their discrete identities.*

79317. J. R. Geigy A.-G. Process for the production of reactive dyestuffs suitable for dyeing cellulose materials. Accepted on 13th May 1963.

*Reacting a metal containing monoazo dye-stuff with a derivative of a carbon acid containing more than one mobile component.*

79318. Metal and Thermit Corporation. Aqueous acid electrolytic bath and process for electroplating semi-bright nickel therewith. Accepted on 14th May 1963.

*Which contains, as semi-bright additive compound selected from group containing 0.025 g/l to 0.4 g/l of phenyl propionic acid and 0.025 to 0.5 g/l of phenyl propiolamide.*

79349. T. Ramanujam. One piece safety-pin. Accepted on 16th May 1963.

*Metal wire having its one end tapered and pointed while its other end being flattened into at least two wings made into a head unit integral with the pin, the wire being bent at its middle.*

79355. J. R. Geigy A.-G. Piperidine derivatives. Accepted on 16th May 1963.

*Reacting phenyl piperidine carbethoxy carbonate with a reactive ester of a hydroxy alkane carboxylic acid amide.*

- 79356 J. R. Geigy A.-G. Process for the production of 5-(3'-dimethylamino-2'-methyl-propyl)- 3- chloro-iminodibenzyl and pharmaceutical preparations thereof. Accepted on 16th May 1963.

*Reacting a 3-chloro-iminodibenzyl with a reactive ester.*

79366. Dunham-Bush Inc. Refrigeration system. Accepted on 17th May 1963.

*Wherein defrosting means includes heat interchange unit in which liquid refrigerant to compressor is evaporated by the refrigerant from compressor.*

79373. Behringwerke Aktiengesellschaft. Disaggregated gamma globulin preparation and process of preparing it. Accepted on 17th May 1963.

*Comprising essentially disaggregated gamma globulin freed from substances affecting the complement system of human serum and having a sedimentation constants ranging from 3.0 to 5.5.*

- 79378 N. V. Research Laboratorium, Dr. C. Janssen. Process for the production of 1-(Aroylalkyl)-4-piperidine carboxamide and related compounds. Accepted on 17th May 1963.

*Comprises in condensing a halophenyl ketone with the appropriate piperidine derivative.*

79386. J. C. Cavanagh and E. G. Inman. Process for the removal of water, fats and other components from material of animal, vegetable or marine origin. Accepted on 14th May 1963.

*Comminuted material is treated in counter flow with an organic solvent having a b.p. that  $H_2O$ , and  $H_2O$ —content of the system is adjusted at least in one stage of the process to ensure that the outgoing extraction liquor separates at least into 2 liquid phases or the liquid left after distillation separates into 2 liquid phases.*

79420. Siemens & Halske Aktiengesellschaft. Improvements in or relating to pulse shaping circuits for removing distortion from start-stop telegraph signals. (18th July 1961). Accepted on 17th May 1963.

*Including a counter, means to form sampling impulses and a further counter.*

79429. Esso Research and Engineering Company. Integrated process of iron ore reduction and gas generation. Accepted on 13th May 1963.

*Reduction of iron ore by converting  $Fe_2O_3$  and  $Fe_3O_4$  into sponge iron by utilising a reducing gas low in nitrogen content obtained from re-circulated partially spent reducing gas enriched with reducing components.*

79430. Nikken Chemicals Co. Ltd., Anti-wilting agents for plants and fruits. Accepted on 14th May 1963.

*Consists of a normal aliphatic alcohol or a mixture of said alcohol and an emulsifier selected from alkali metal, ammonium and triethanol ammonium salts of fatty acids and alkali metal salts of sulfuric acid ester of higher aliphatic alcohols.*

79431. Aktiebolaget Bofors. Damping device for a servo system. Accepted on 16th May 1963.

*Contains hydraulic variable speed gear in which pipeline with checking position connects motor and pump which position opens to allow fluid to pass if the pressure difference exceeds predetermined value.*

- 79450 Shell Internationale Research Maatschappij N. V. Composition of matter with increased electrical conductivity. Accepted on 17th May 1963.

*Comprises a minor proportion of an organic liquid with a dielectric constant of 8 or less, a minor proportion of a salt of a polyvalent metal and an alkyl solicylic acid having at least one alkyl substituent with 8 or more C atoms and a minor proportion of a polymer.*

79479. Glaxo Group Limited formerly known as Glaxo Laboratories Limited. Process for the production of new derivatives of l-emetine. (2nd December 1960). Accepted on 13th May 1963.

*N-Ethyl 2 dehydro emetine in which 2 dehydroemetine is N-alkylated by methods known per se.*

79484. Metallgesellschaft Aktiengesellschaft. Process for recovering residual solid carbon remaining after iron ore reduction. Accepted on 15th May 1963.

*Ionising the particles of ash, slag and residual solid carbon, then earthing the ionised particles, whereby charge of carbon particles only is reversed, thus causing separation.*

79530. Ciba Limited. New vat dyestuffs, their manufacture and use. Accepted on 17th May 1963.

*Wherein an anthraquinone vat dyestuffs containing at least two anthraquinone radicals and not more than four fused rings and at least one carboxylic acid amide group is reacted with a sulfonating agent.*

79544. Sterling Drug Inc. Preparation of derivatives of 1, 2, 3, 4, 5, 6-Hexahydro-2, 6-methano-3-benzazocine. Accepted on 17th May 1963.

*Alkylating a suitable secondary amine or reducing an amide without affecting any ethylenic linkage.*

79549. Dravo Corporation. Improvements in or relating to method of and apparatus for supplying oxygen to metallurgical furnace. Accepted on 14th May 1963.

*Processing atmospheric air to remove a portion of nitrogen and provide oxygen enriched air into furnace in substitution of a determined proportion of compressed atmospheric air normally fed to the furnace.*

79585. Ciba Limited. Process for the manufacture of 1-methylene-Benz [b] cycloalkane compounds and preparations containing them. Accepted on 17th May 1963.

*Eliminating by dehydration elements of water from a 1-methyl-benz [b] cycloalkane-1-ol compound or reacting a benz[b] cycloalkane-1-one compounds with a triaryl methylene-phosphorane-reagent.*

79632. P. T. Nataf. A bottle made of a plastic material. Accepted on 17th May 1963.

*The part of the wall situated half-way up of the bottle presents a bulging blending into an enlarged bottom of the bottle.*

79664. N. V. Philips Gloeilampenfabriek n. Improvements in or relating to a device for the recording and reproduction of magnetic registrations. Accepted on 14th May 1963.

*Characterised in that the supply conductor of the amplifying device leading to the mains rectifier includes a commutator.*

79692. Hawley International Limited. Method of making pulp articles and automatic moulding machine therefor. Accepted on 16th May 1963.

*Includes a felting tank and felting die means movable between a lower felting position and an upper transfer position.*

79731. Brown, Boveri & Company Limited. Low oil-content switch with an oil flow perpendicular to the direction of motion of the moving contact. Accepted on 15th May 1963.

*In which part chambers are connected to contact space by two oppositely disposed supply channels which displaced by 90° to each other.*

79769. Fisons Fertilizers Limited. A process for the production of compound fertilizers in granular form. Accepted on 16th May 1963.

*Preparing a mixture of ammonium nitrate and ammonium phosphate in the ratio of 9:1 to 1:9, said mixture having a pH of 5 to 6 and then granulating the mixtures.*

79862. Rohm & Haas Company. Treatment of leather. Accepted on 14th May 1963.

*Comprises impregnating the leather on the grain side with aqueous solution containing a water soluble ammonium or volatile amine salt of a water insoluble addition copolymer, a 22 per cent by weight solution of said salt in water having a viscosity from 5 to about 65 CPS at a PH of about 7 and at a temperature 25°C.*

79877. Behringwerke Aktiengesellschaft. Stable, oral antipolyomyelitis vaccines and process for preparing them. Accepted on 13th May 1963.

*Polioviruses are deposited on the surface of a solid, orally administrable pharmaceutical carrier and then dried.*

79880. Clark Equipment Company. Change speed power transmission mechanisms. Accepted on 16th May 1963.

*Comprises four clutches located at the ends of intermediate shafts each of said clutches having at least one friction member and a rotatable drum surrounding the shaft and arranged to be selectively clutched to its respective friction member, and constant mesh gear means interconnecting the input shaft and all four of said drums.*

79889. Pfaudier Permutit Inc. Filtering apparatus. Accepted on 14th May 1963.

*Comprising a filter compartment, underdrain for filter compartment, back wash storage space having an open top and being located above filter compartment; one or more tubes interconnecting underdrain and the lower portion of backwash storage space; an inlet pipe leading from source of liquid to be filtered, effluent duct extending upwardly from underdrain, an outlet pipe a waste sump, and a backwash pipe.*

79895 F. Hoffmann-La Roche & Co. Aktiengesellschaft Process for the vitamination of foodstuffs and feedstuffs. Accepted on 13th May 1963.

*Adding substituted vitamin A benzoate to the foodstuffs and feedstuffs.*

79949. Abbott Laboratories. Improvements in the preparation of hydrazinonitrofurthiazoles. Accepted on 17th May 1963.

*Reacting 2-(2-isopropylidene hydrazino-4-(5-nitro-2-furyl)-thiazole with HCl acid in aqueous solution at about 100°C.*

79913 Ciba Limited. New azo-dyestuffs and process for their manufacture. Accepted on 14th May 1963.

*Wherein one molecular proportion of a dicarboxylic acid halide which is free from groups imparting solubility in water, is condensed with 2 molecular proportions of an aromatic monoamine which is free from groups imparting solubility in water.*

80042. J. R. Geigy A. -G. Process for the production of 1-phenylaminoanthraquinone compounds containing sulphamyl groups, compounds so prepared dyeing polyester fibres therewith and polyester fibres so dyed. Accepted on 15th May 1963.

*Reacting an anthraquinone compound with an amine.*

80208. Farbenfabriken Bayer Aktiengesellschaft. Fungicidal compositions. (25th October 1961). Accepted on 15th May 1963.

*Containing methyl- or ethyl-arsine sulphide, together with, tetramethylthiuram disulphide, quinone oxime-benzoyl-hydrazone, p-dimethyl amino-phenyl-diazo sulfonic acid or metallic salt or derivative thereof or organo-mercury fungicide.*

80216. Wickman Limited. Cutting tools for use in lathes or other machines. (16th January 1961). Accepted on 16th May 1963.

*A clamping plate having in its innerface a shallow recess for accommodation of chip breaker with a stop piece, the recess being flanked by parallel side edges—one of which being undercut.*

80217. Polyplastic. Improvements in or relating to process for obtaining rigid cellular objects. Accepted on 15th May 1963.

*Mixing together a vinyl chloride base, a polyisocyanate a blowing agent, one vinylidene monomer, one ethylenic anhydride; heating the mixture, in a mould under pressure and cooling the mould and heating moulded object in presence of water.*

80223. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Metalliferous water-insoluble azo-dyestuffs and process for their manufacture. Accepted on 16th May 1963.

*A diazonium compound of an amine is coupled in substance on the fiber with an arylamide of an aromatic or heterocyclic ortho hydroxy carboxylic acid, said coupling component being free from groups imparting solubility in water.*



80225. Koehler Aircraft Products Company. Self-contained sewerage system. Accepted on 14th May 1963.

*Comprising a closed tank, a bowl mounted on top of the tank and having a discharge conduit projecting directly into tank, manifold means extending around the bowl, a pump having an inlet connected to withdraw liquid and a remote controlled valve head cooperable with valve seat to control the drainage opening.*

80269. The International Synthetic Rubber Company Limited. Natural and synthetic rubber latices. (23rd January 1961). Accepted on 14th May 1963.

*Comprising flowing a mixture of latex and dispersed reinforcing agent aqueous slurry through a construction at a pressure substantially not less than 1000 P.S.I.*

80295. Amchem Products, Inc. Solutions for treating metal surfaces, either bare or chemically coated, to improve their corrosion-resistance, methods of preparing such solutions, and treatment processes in which they are employed. Accepted on 13th May 1963.

*Comprising an aqueous acidic solution containing from 0.15 g to 800 g of total chromium per litre, wherein from 40 per cent to 95 per cent of the total chromium is in the hexavalent state and the remainder is reduced chromium.*

80298. The Mead Corporation. Cast coated paper and method of making the same. Accepted on 17th May 1963.

*Includes the steps of coagulating mobile coating on paper in contact with a coagulating electrolyte, incorporating a non-ionic surfactant and bringing the coating into contact with a casting surface.*

80304. Metallgesellschaft A. G. Method and device for the after-treatment of hard burnt pellets. Accepted on 13th May 1963.

*Pre-cooled pellets are re-rolled in themselves in an inclined barrel for a short duration and the powdery abrasive material falling thereby at least partly is removed separately from the pellets through suitable perforation of the barrel wall.*

80314. Union Carbide Corporation. Process for producing fibrous graphite. [Addition to No. 70258]. Accepted on 13th May 1963.

*Drying regenerated cellulosic material at a minimum temperature of 100°C for at least 15 hours before carbonization, and sweeping the surface with non-oxidising gas and the temperature rising 700°C till complete graphitization.*

80343. Siva Prosad Sen. A coating machine for applying sensitive emulsion on glass support. Accepted on 17th May 1963.

*Which comprises a platform at the centre of the frame work or body of the machine, an arrangement below the platform for levelling the platform, adjustable plate holders at the top of the platform and a coating glass roller fitted with rectangular movable part which can be moved to and fro by means of two slide rods.*

80344. Siva Prosad Sen. Making of photographic emulsions for bromide paper, plate and film, sensitive to ultra violet and blue only. Accepted on 17th May 1963.

*Comprises by adding silver-nitrate solution to a mixture containing gelatine, potassium bromide, potassium iodide and one or two water soluble preservative chemicals to delay decomposition during processing, sterilizing the said mixture by keeping in a vessel plugged with non-absorbent cotton wool by keeping in Koch type sterilizer cool it to precipitate gelatino-silver bromide, remove filtrate by decantation and add alcohol water clone oil, or glycerine and a hardening and preservative solution and finally entire mixture is reheated.*

80385. Dunlop Rubber Company Limited. Improvements relating to the production of substituted thioureas and dithiocarbamic acids. (9th February 1961). Accepted on 14th May 1963.

*Reacting together CCl<sub>4</sub>, a compound which constitutes a source of sulphide ions and an amine.*

80415. J. S. Fries Sohn. Improvements in and relating to dispensing devices. Accepted on 16th May 1963.

*Comprises a plunger piston which displaces the required quantity of molten casting metal from crucible.*

80417. British Filters Limited Improvements in and relating to filter elements and filtration apparatus for filtering liquids. (15th March 1961). Accepted on 16th May 1963.

*Is formed of fibrous material with or without the addition of diatomaceous earth.*

80438. Phillips Petroleum Company. Process for drying polymeric material. Accepted on 14th May 1963.

*Comprising passing the wet polymeric material through a radiant heat zone wherein it is exposed to a temperature of from 600 to 3500° F for from 0.5 second to 10 minutes, at least half of the total radiant energy from the source lying within the range of from 1 to 7 microns wave length.*

80450. Shell Internationale Research Maatschappij N. V. Process for the production of ethylene oxide. Accepted on 16th May 1963.

*Reacting ethylene with molecular oxygen in the presence of a silver catalyst at a temperature between 150° and 450°C in a reaction zone in the presence of a quantity of methane which is at least 15 mol % based on the total feed to the reaction zone.*

80451. Shell Internationale Research Maatschappij N. V. Process for the preparation of trialkyl phosphites. Accepted on 14th May 1963.

*Reacting an alkanol with phosphorous trichloride on phosphorous tribromide in the presence of a tertiary amine and recovering the trialkyl phosphite by distillation of the reaction mixture.*

80452. Shell Internationale Research Maatschappij N. V. Process for preparing high impact polyvinyl aromatic compositions. Accepted on 16th May 1963.

*Comprising the steps of mixing from about 2 to 20 parts of a rubber, which is a polymer of a conjugated diene containing at least 90% cis-1-4 units, with a cross linking agent and also with from about 1 to 30 parts by weight of the mono vinyl aromatic compound in polymerised forms milling the mixture for a time and temperature sufficient to disperse and cross link the rubber.*

80455. Dunlop Rubber Company Limited. Improvements in or relating to extrusion dies. (8th February 1961). Accepted on 15th May 1963.

*Wherein passageway for plastic material has a transverse cross sectional profile similar to orifice and is provided with cutting elements to cut axially the extrusion which reunite before being extruded from orifice.*

80472. Sandoz Ltd. Process for dyeing and printing. Accepted on 16th May 1963.

*Impregnating fibres with a liquor of printing paste containing a dye and one or more polyglycol ethers.*

80485. K. R. Wagh. Improved grout pump. Accepted on 14th May 1963.

*In which plunger piston is lined with porcelain or ceramic, the sealing action between piston and hollow barrel is effected by rubber packing provided in the barrel and suction and delivery manifolds are disposed on sides of the barrel.*

80516. Technoimpex Magyar Gepipari Kulkereskedelmi Vallalat. Internal combustion engine with cooling by evaporation. Accepted on 16th May 1963.
- The cylinder or the cylinder block of the engine being arranged in a cooling water tank open at the top and covering both the jacket and the head of the cylinder.*
80527. Societe Anonyme Des Caves Et Des Producteurs Reunis De Roqufort. A process for the treatment of the ewe's milk with the object of its consumption in the state of nature. Accepted on 17th May 1963.
- Process consists mainly in reducing the total content of proteins to about 3.5% by addition of water, either pure or admixed with saccharose, and in reducing to about one half the initial fat content in the ewe's milk.*
80532. Shell Internationale Research Maatschappij N. V. Method of consolidating an unconsolidated or substantially unconsolidated mass. Accepted on 14th May 1963.
- Consisting of preparing a solution of an epoxy compound and a curing agent in a solvent, injecting said solution between the grains or particles of the mass to be consolidated where the epoxy compound reacts with the curing agent with the result that an intermediate resinous reaction product is formed, which after further hardening bonds the grains together.*
80571. Emilc Egger & Co. AG. A device including a rotary impeller. Accepted on 16th May 1963.
- Wherein the rotary impeller has plurality of blades for causing movement toward the end portion of each of the blades.*
80592. The Associated Cement Companies, Limited. Improvements in or relating to the manufacture of cement. Accepted on 15th May 1963.
- Intergrinding cementitious material with gypsum and one or more ingredients having water-proofing qualities to coat the cement particles.*
80620. C. A. V. Limited. Radial flow turbochargers. (22nd February 1961). Accepted on 16th May 1963.
- In which a proportion of nozzles are housed in chamber normally cut off from exhaust by valve which opens when speed reaches a predetermined value.*
80623. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to signal transmission systems by means of pulse code modulation transmitters and receivers suitable for use in these systems. Accepted on 16th May 1963.
- Employs pulse code modulation for signal transmission.*
80624. N. V. Philips Gloeilampenfabrieken. Improvements in permanent magnets. Accepted on 16th May 1963.
- Is capable of being deformed to a desired shape and of retaining that shape.*
80626. Ciba Limited. Process for dyeing and printing fibrous materials. Accepted on 14th May 1963.
- Fibrous material is impregnated with an aqueous preparation which contains Pthalocyanine dyestuffs that contain acidic groups imparting solubility in water and the fibrous material so treated is then cured in the presence of an acidic catalyst.*
80694. Ciba Limited. Process for the manufacture of fluorobines. Accepted on 16th May 1963.
- 2,3 diaminoquinoxaline is heated to bring about the splitting off of ammonia.*
80699. Sandoz Ltd. Metallizable reactive dyes and their copper and nickel complex compounds. Accepted on 17th May 1963.
- Coupling 1 mol of diazo compound of an amine with 1 mol of 1-phenyl-3-alkyl-5-pyrazolone-2' or 3' or 4'-sulfonic acid and the resulting azo dye is treated with a copper or nickel yielding agent.*
80843. Merck & Co. Inc., Stabilization of cobalamins. Accepted on 13th May 1963.
- Comprising (1) a crystalline cobalamin (2) one ingredient selected from the group consisting of ascorbic acid, thiamine and niacinamide, and (3) 10-1500 mcgm of ferric ion per mcgm. of cobalamin.*
80879. Textron Inc. Clamping device for cables. Accepted on 15th May 1963.
- Comprises of resilient clamp rod of preformed into a helix to grip the line portions, at points of its greatest cross section.*
80916. Standard Telephones and Cables Limited. Terminal equipment for the reception of video television signals. (3rd May 1961). Accepted on 16th May 1963.
- Includes an oscillator generating carrier wave and an automatic frequency control means to adjust the frequency and phase of the oscillator to the received signal comprises means for sampling the received signal.*
81038. Mrs. Lakshmi Devi Yathiraja. Improvements in or relating to coffee percolators. Accepted on 17th May 1963.
- Comprises two vessels one adopted to be placed over the other and also can be held together by means of screw threads on the two vessels.*
81059. E. N. Contractor. Adjustable weighing machine for weighing envelopes, powders and the like. Accepted on 16th May 1963.
- Comprising a quadrant mounted on a base and having one or more graduated discs or scales the corner of said quadrant having mounted thereon a projecting supporting arm which is pivotally secured to a curved lever.*
81080. Automatic Telephone & Electric Company Limited. Improvements in or relating to rack mounting arrangements for electrical apparatus. (16th March 1961). Accepted on 16th May 1963.
- Comprises a plurality of racks forming a suite with the side walls of adjacent rack sides forming a vertical cable duct.*
81165. VEB Tullmaschinenbau Karl-Marx-Stadt. Process and warp knitting frame for production of a textile. Accepted on 16th May 1963.
- Having a laying appliance for laying the threads which form between the layers of threads remaining at right angles to the longitudinal axis of the textile and crossing each other.*
81305. Montecatini Societa Generale Per L'Industria Mineraria E Chimica. Process for the preparation of 1,5,9-cyclododecatrienenes. Accepted on 14th May 1963.
- Cyclisation of conjugated diolefins in the presence of an inert solvent with a catalyst comprising a dialkyl aluminium monohalide and a titanium halide in the form of a complex with nitrogen containing organic compound.*
81325. Union Carbide Corporation. Fog resistant polyolefin films. Accepted on 14th May 1963.
- The antifog agent is an ester, ether, amine or amide or mixture thereof each of which contains at least one ethylene oxide group and a residue of a fat forming fatty acid.*
81342. Paraco, Societe simple au sens des articles 530 et suivants du Code federal des obligations. Process and apparatus for the continuous separation on an industrial scale of the constituents of copal. Accepted on 16th May 1963.
- Consists in maceration and an agitation at moderate temperature of a mixture of finely divided copal and a liquid phase made up of water, of an acid and a reducing agent, separating the excess of liquid medium and performing fractional extraction by revising the temperature according to the boiling points of the products intended to be extracted.*



81427. Raytheon Company. Solid state parametric device. (7th November 1961). Accepted on 14th May 1963.
- Comprising a body of gyromagnetic material, means for applying a biasing magnetic field to said body and means for applying a pump magnetic field to said body.*
81430. Afico S.A. Aromatization of powdered coffee products. Accepted on 15th May 1963.
- Volatile substances are removed from roasted coffee, the low-boiling fractions are condensed from the resulting vapours at a lower temperature after at least one high-boiling fraction has been removed, and the last condensate is added together with an oily carrier to the powdered coffee product.*
81431. S. Ramanujam and R. V. Saluja. Improvement in or relating to primers based on red mud. Accepted on 17th May 1963.
- Consisting of dispersing a mixture of calcined red mud, zinc chromate or barium potassium chromate, dry ground vermiculite or wet ground mica in a media based on cashew nut shell liquid aldehyde condensed resin.*
81581. Siemens-Schuckertwerke Aktiengesellschaft. Improvements in or relating to an apparatus for the production of semi-conductor material. Accepted on 16th May 1963.
- Wherein the greatest distance separating the rod-like carriers is smaller than the smallest distance of one of the carriers from the wall of the reaction chamber.*
81652. Standard Telephones and Cables Limited. Improvements in or relating to semiconductor devices. (7th April 1961). Accepted on 16th May 1963.
- Includes the step of pressing a pellet containing an impurity metal until the pellet is absorbed in the process.*
81696. J. Stone & Company (Deptford) Limited. Improvements relating to temperature control apparatus. 10th April 1961). Accepted on 16th May 1963.
- Includes a temperature sensitive diode having a back resistance that falls from high value with increased temperature.*
81713. Westinghouse Electric Corporation. Improvements in or relating to thermal sensitive electric power supply and method. [Addition to No. 78339]. Accepted on 14th May 1963.
- Improvements in Indian specification No. 78339 wherein the first electrode means is capable of forming reaction products which can be assimilated into the electrolyte and the second electrode means is capable of reacting with the mobile cations generated in the electrolyte.*
81743. Plasto Novelties. A dripless tea strainer. Accepted on 16th May 1963.
- Straining medium provided on a carrier member with a tray suspended from it and means for displacing the tray adapted to be restored automatically to its normal resting position on the release of the said means.*
81826. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to apparatus for transmitting signals by modulated oscillations of constant amplitude. Accepted on 17th May 1963.
- At the input circuit of the dynamic control member the modulated oscillations of constant amplitude are fed followed by a dynamic voltage rectifier with low band pass filter.*
82097. Molins Machine Company Limited. Improvements in or relating to apparatus for making mouthpiece cigarettes (5th May 1961). Accepted on 16th May 1963.
- Comprises means to arrest the lengthwise movement of leading component, suction means to urge other components to move and pushing them sideways to abut them endwise.*
82125. Automatic Telephone & Electric Company Limited. Improvement in or relating to pulse responsive circuit arrangements. (27th May 1961). Accepted on 14th May 1963.
- Comprising a plurality of serially connected stages each consisting of two input AND gate and a two state buffer amplifier, to respond to two complementary wave forms derived from plus source, one wave form being applied to odd numbered stages while other to even numbered stages.*
82344. Fischer & Porter Company. Improvements in or relating to flow meter. Accepted on 15th May 1963.
- Comprising an elongated support member having at least at its upper and lower ends portions of generally U-shape cross-sections defining socket portions and elements each of generally U-shape and also defining socket portions.*
82370. Sklenar Furnaces Limited. Improvements relating to reverberatory furnaces and the melting of iron or iron alloys therein. (1st January 1962). Accepted on 14th May 1963.
- One or more carbon rods are inserted beneath the surface of molten iron or iron alloy reverberatory furnace.*
82419. Standard Telephones and Cables Limited. Improvements in or relating to telephone subscriber's apparatus. (25th May 1961). Accepted on 16th May 1963.
- Which has a rest adapted to receive a handset, wherein said body is wedge-shaped, tapering generally towards the base of the body.*
82503. Dr. C. Otto & Comp. G.m.b.H., A method and device for low-temperature carbonizing or coking of bulk materials. Accepted on 16th May 1963.
- Hot gas is blown into the chamber upper section, carried downwardly in the same direction of flow with said material over one-fifth to one-third of the height of the chamber and then extracted.*
82858. F. L. Smidth & Co. A/S. Improvements in rotary drums. (10th July 1961). Accepted on 17th May 1963.
- The width of conveyor flights in a rotary drum, the pitch of a helix formed by each flight and the length of chains attached at one end only in the drum being such that in each revolution of the drum, a substantial length of each such chain slides over part of the surface and the edge of at least one flight.*
83115. Aero Controls Limited. Improvements in or relating to structures of aerofoil shape. Accepted on 14th May 1963.
- Comprising a leading portion and a trailing portion, the former being hollow having a metal outer skin and a member composed of high density reinforced plastic, the trailing portion being secured to leading portion.*
83250. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to methods of joining component parts of envelopes for high-power transistors. Accepted on 15th May 1963.
- Component parts at least one of which consists of copper are covered with nickel layer are heated at 500° to 900°C so that nickel is diffused into the copper, thus treated parts are covered with a phosphorus containing nickel layer and then joined by local supply of heat.*
83301. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to devices for separating in a solid state components from a gas mixture by cooling and gas separating plant provided with one or more of these devices. Accepted on 16th May 1963.
- Characterized in that two layers of gas permeable material are present in the device.*
83407. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to circuit arrangements for automatic switching systems. Accepted on 15th May 1963.
- Establishing electrical connections between conductors from a first group and conductors from a second group through photoconductive elements.*

83443. Henry Wiggin & Company Limited. Improvements relating to nickel chromium alloys. (2nd August 1961). Accepted on 13th May 1963.

*Solution heating the age hardenable nickel-chromium alloy at a temperature above the solubility temperature, cooling it to a temperature range between the solubility temperature of the  $\gamma'$  phase and that of carbide phase, maintaining it within this temperature until a precipitate of  $\gamma'$  phase is formed at the boundaries and then hot-working it.*

83641. Cooper, McDougall & Robertson Limited. Preparation of organophosphorus compounds and formulations containing them 14th July 1961. [Divisional date 13th November 1961]. Accepted on 13th May 1963.

*Reacting a phosphorus compound with a coumarin compound.*

86884. Ciba Limited. Pharmaceutical preparations containing benz-sulphamyl-3:4-dihydro-1:2:4-benzothiadiazine-1:1-dioxides. [Divisional date 13th November 1961. Accepted on 13th May 1963.

*Pharmaceutical preparations containing from about 0.1% to about 50% of a benz sulphamyl-3:4 dihydro 1:2:4 benzothiadiazine 1:1 dioxide together with a pharmaceutical carrier.*

### Opposition Proceedings

(1)

An opposition has been entered by American Cyanamid Company to the grant of a patent on application No. 75571 made Ivan Villax.

(2)

An opposition has been entered by Indian Tea Association to the grant of a patent on application No. 75949 made by Woods of Colchester Limited.

(3)

An opposition has been entered by National Rayon Corporation Ltd., to the grant of a patent on application No. 77609 made by W. R. Schmitz.

(4)

The application for patent numbered 70572 made by C.J. Industries in respect of which an opposition was entered by Hemu Products as notified in Part III Section 2 of the Gazette of India dated 24th March 1962 has been treated as withdrawn.

(5)

The application for patent numbered 75924 made by C.J. Industries in respect of which an opposition was entered by Hemu Products as notified in Part III Section 2 of the Gazette of India dated 24th March 1962 has been treated as withdrawn.

### PATENTS SEALED

75521. 75726. 76164. 76332. 76387. 76713. 76745. 76934. 76982. 77059. 77093. 77202. 77254. 77319. 77327. 77350. 77351. 77352. 77389. 77413. 77474. 77490. 77566. 77569. 77605. 77639. 77648. 77674. 77679. 77694. 77711. 77739. 77741. 77767. 77781. 77801. 77807. 77823. 77824. 77941. 78023. 78073. 78083. 78088. 78113. 78135. 78156. 78255. 78346. 78623. 79002. 79224. 79523. 79547. 79874. 79997. 80535. 83598. 83945. 83946. 84120. 85045.

### Amendment Proceedings

(1)

Notice is hereby given under Section 17, of the Indian Patents and Designs Act, 1911, that Glaxo Group Limited, a British Company, of Greenford, Middlesex, England, Chemical Manufacturers seek leave to amend the address of the applicant in the application and specification in respect of Patent application No. 84848. Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (form 6 of the Indian Patents and Designs Rules, 1933), in the Patent Office, 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office on payment of the usual charges.

(2)

Notice is hereby given under Section 17, of the Indian Patents and Designs Act, 1911, that Glaxo Group Limited, a British Company, of Greenford, Middlesex, England, Chemical Manufacturers, seek leave to amend the address of the applicant in the application and specification in respect of Patent application No. 84849. Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.

(3)

The amendment proposed by Lionel Roy Frank Harris in respect of Patent application No. 79030 as advertised in the Gazette of India Part III, Section 2, dated the 19th January 1963, has been allowed.

### Renewal Fees Paid

39975. 40016. 40021. 40041. 41482. 41539. 41650. 42782. 43263. 43267. 43278. 43299. 43301. 43310. 43334. 43370. 43373. 43436. 43501. 43649. 44174. 45334. 45364. 45406. 45407. 45423. 45454. 45563. 45820. 47292. 47322. 47367. 47397. 47416. 47417. 47428. 47443. 47596. 47661. 47796. 49578. 49596. 49624. 49711. 49736. 49791. 49795. 49850. 49884. 49892. 49921. 50156. 50157. 50422. 50572. 51806. 51861. 51911. 51934. 51935. 51936. 51968. 51971. 52037. 52143. 52153. 52180. 52246. 52299. 52301. 52415. 52432. 52472. 52750. 52759. 52760. 52772. 52910. 53942. 54493. 54626. 54627. 54647. 54665. 54695. 54720. 54753. 54786. 54787. 54804. 54831. 54859. 54939. 54940. 54945. 54964. 54967. 54993. 55014. 55033. 55056. 55138. 55240. 55241. 55261. 55375. 55411. 55455. 55580. 57225. 57353. 57356. 57406. 57460. 57512. 57516. 57520. 57529. 57546. 57573. 57595. 57615. 57641. 57642. 57687. 57696. 57707. 57749. 57834. 57931. 57956. 57995. 58011. 58060. 58063. 58120. 58259. 58363. 58618. 59380. 60461. 60537. 60640. 60641. 60652. 60702. 60703. 60730. 60731. 60781. 60782. 60783. 60833. 60850. 60857. 60896. 60907. 60908. 60934. 60994. 60995. 60996. 61007. 61108. 61122. 61202. 61209. 61210. 61277. 61491. 61583. 61606. 62567. 63163. 63758. 63769. 63958. 64083. 64084. 64110. 64141. 64213. 64228. 64265. 64280. 64290. 64291. 64349. 64409. 64411. 64427. 64436. 64439. 64442. 64480. 64701. 64739. 64844. 64916. 64940. 64945. 65350. 66965. 67000. 67050. 67409. 67523. 67598. 67685. 67686. 67724. 67734. 67742. 67743. 67752. 67775. 67847. 67863. 67897. 67913. 67924. 67927. 67967. 67975. 67986. 68023. 68030. 68067. 68068. 68069. 68070. 68071. 68082. 68083. 68084. 68085. 68115. 68176. 68209. 68232. 68235. 68290. 68341. 68360. 68458. 68482. 68483. 68505. 68506. 68507. 68568. 68583. 68598. 68610. 68615. 68620. 68627. 68659. 68660. 68661. 68721. 68722. 68736. 68749. 69003. 69183. 69293. 69307. 69308. 69404. 70923. 71101. 71662. 70902. 71923. 72110. 72226. 72271. 72291. 72294. 72321. 72339. 72366. 72367. 72368. 72383. 72400. 72401. 72429. 72430. 72437. 72692. 72911. 74613.

### Cessation of Patents

30259. 31484. 38199. 38222. 38274. 38278. 38280. 38281. 38299. 40288. 40290. 40292. 40293. 40297. 40329. 42025. 42026. 43066. 43343. 43344. 43785. 43789. 43797. 43826. 43830. 43836. 45872. 45910. 45912. 45952. 48088. 48091. 48126. 50289. 50300. 50316. 50324. 503227. 50334. 50354. 50374. 52826. 52830. 52831. 55398. 55430. 55472. 55475. 55476. 55498. 55529. 55829. 58407. 58429. 58454. 58455. 58463. 58466. 58476. 58484. 58499. 58513. 58514. 58519. 58544. 58545. 58546. 58549. 61733. 61750. 61774. 61775. 61776. 61777. 61780. 61782. 61799. 61801. 61811. 61816. 61841. 61850. 61860. 61880. 61881. 61882. 61893. 61898. 65236. 65242. 65264. 65270. 65271. 65272. 65285. 65286. 65290. 65294. 65305. 65310. 65345. 65353. 65354. 65355. 65375. 65376. 65386. 65408. 65409. 65427. 65438. 66274. 69171.

### Restoration Proceedings

(1)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911 for the restoration of the following patent:—

**No. 59662—Hasanbhai Hashambhai Mansoori & others.**

The patent ceased on the 16th February 1962 owing to non-payment of renewal fee within the prescribed time and cessation of the patent was notified in Part III, Sec-

tion 2 of the Gezette of India, dated the 13th October 1962. Any person may give notice of opposition to the restoration by leaving an application on Form 6 of the Indian Patents and Designs Rules, 1933 at the Patent Office, 214, Lower Circular Road, Calcutta-17, on or before the 13th July 1963.

(2)

Notice is hereby given that an order was made on the 1st May 1963, restoring the patent numbered 47020 dated as of the 2nd April 1952 granted to Heinrich De Fries G.m.b.H. for "Chain pulley blocks".

#### Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including in the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

- Class 1. No. 117243. The General Electric Company Limited, of Glen House, Stag Place, Victoria, London, S.W. 1, England, a company incorporated under the Laws of England, "An electric toaster", September 4, 1962. (U.K.).
- Class 1. No. 117524. Chakraborty Engineers Private Ltd., 32/1A, Gorachand Bose Road, Calcutta-6, West Bengal, India, an Indian company, "Telephone tray", March 19, 1963.
- Class 1. No. 117525. Sperry Rand Corporation, a corporation organized under the laws of the State of Delaware with the principal place of business located at 315, Park Avenue South, New York, 10, New York, United States of America, "A summary punch machine", March 19, 1963.
- Class 1. No. 117526. Chakraborty Engineers Private Ltd., 32/1A, Gorachand Bose Road, Calcutta-6, West Bengal, India, an Indian Company, "Telephone receiver stand", March 19, 1963.
- Class 1. No. 117638. Abhai Kumar Jain, Industrial Estate, Post Box No. 98, Jodhpur, Rajasthan, "Stove", March 30, 1963.
- Class 1. No. 117639. Man Mohan Singh Bindra, Chuna Mandi, Pahar Gunj, New Delhi, India (Indian), "Electric iron", March 30, 1963.
- Class 3. No. 117265. AMP Incorporated, of Eisenhower Boulevard, Harrisburg, Pennsylvania, United States of America, a corporation organized and existing under the laws of the State of New Jersey, United States of America, "Electrical connector housing block", February 27, 1963.
- Class 3. No. 117281. Vaclav Frank Fait, of 12/1, Pretoric Street, Loch Lomond Lodge Ltd., Calcutta-16 West Bengal, India, "Back-rest", February 28 1963.
- Class 4. Nos. 117244 and 117245. 'Anand Kumar' an Indian Citizen, of 11, Abdul Rasul Avenue, Calcutta-26, West Bengal, "Switch base", February 27, 1963.
- Class 4. No. 117246. 'Anand Kumar' an Indian Citizen of 11, Abdul Rasul Avenue, Calcutta-26, West Bengal, "Fuse carrier", February 27, 1963.
- Class 4. No. 117247. 'Anand Kumar' an Indian Citizen, of 11, Abdul Rasul Avenue, Calcutta-26, West Bengal, "Shield for switch", February 27, 1963.
- Class 4. No. 117248. 'Anand Kumar' an Indian Citizen, of 11, Abdul Rasul Avenue, Calcutta-26, West Bengal, "Fuse base", February 27, 1963.
- Class 4. No. 117440. 'Anand Kumar' an Indian citizen, of 11, Abdul Rasul Avenue, Calcutta-26, West Bengal, "Switch fuse base", March 18, 1963 ,
- Class 4. No. 117441. 'Anand Kumar' an Indian Citizen, of 11, Abdul Rasul Avenue, Calcutta-26, West Bengal, "Fuse base", March 18, 1963.
- Class 4. No. 117442. 'Anand Kumar' an Indian Citizen, of 11, Abdul Rasul Avenue, Calcutta-26, West Bengal, "Fuse carrier", March 18, 1963.
- Class 4. No. 117443. 'Anand Kumar' an Indian Citizen, of 11, Abdul Rasul Avenue, Calcutta-26, West Bengal, "Switch fuse base", March 18, 1963.
- Class 4. Nos. 117444 and 117445. 'Anand Kumar' an Indian Citizen, of 11, Abdul Rasul Avenue, Calcutta-26, West Bengal, "Shield for switch", March 18, 1963.
- Class 4. No. 117549. Mohammed Sayeed Khan, an Indian Citizen, of 8, Ram Lochan Mallick Street, Calcutta-7, West Bengal, "Bottle", March 22, 1963.
- Class 4. Nos. 117554 to 117559. Mohamed Sayeed, of 10, Sadayappa Maistry Street, Seven Wells P.O. Madras-1, India, Indian National, "Glass sheets", March 23, 1963.
- Class 5. No. 117593. Doolha Mian, an Indian National, Mohalla Kote, Amroha, district Moradabad, Uttar Pradesh, "Label", March 25, 1963.

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S. VENKATESWARAN

Controller General of Patents, Designs  
and Trade Marks

